

In The Specification

Please amend Page 1, lines 6-10 of the Specification as follows:

The present application is related to U.S. Patent Application Serial No. 09/675,278 [[\_\_\_\_\_]], entitled "SELF-ADJUSTING ADAPTIVE MINIMAL NOISE INPUT AMPLIFIER", [[attorney docket number 24096.00800/00SC004,]] filed September 29, 2000; and is also related to U.S. Patent [[Application Serial No. \_\_\_\_\_]] No. 6,504,141, entitled "ADAPTIVE AMPLIFIER CIRCUIT WITH ENHANCED DYNAMIC RANGE", [[attorney docket number 24096.00900/99SC026,]] filed September 29, 2000; the disclosures of which are herein incorporated by reference.

Please amend Page 10, line 20, of the Specification as follows:

As explained in more detail in U.S. Patent Application Serial No. [[\_\_\_\_\_]] 09/675,278 , entitled "SELF-ADJUSTING ADAPTIVE MINIMAL NOISE INPUT AMPLIFIER", [[attorney docket number 24096.00800/00SC004,]] filed September 29, 2000, herein incorporated by reference, the non-uniformities in the integrated current are subtracted from the amplified signal pedestal by operation of the adaptive skimming circuit 8.